

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:226	Late	LPZ-194	GGTGCGATCCTGCGAGAGCCGAGGGTTCATTTTCCTTCGACAACGACGTTTCAGT GGCGACCAGAGTTTCCCAATCACTTCAGCGATTCTATTCTTCGTTGTAATAAAGCT TAAGGAATCCATGCTTTATTCTTGAAGGTTTGAATATTATTTGTTGGCATTAA TGCTATATACATCTATACTAATTTGGGTTGTTCTAACTTGTTTGAATAACTTAAAT
SEQ ID NO:227	All	LPZ-195	GGTGCGATCCATGGCAAAGAGCTCGTTCAAGCACGATCATCTCCAGAGAGAAGA CAAGCTGAAGCTTCTCGGATTCGAGAAAAGTATCCGGACAGGATTCCGGTTATTGT GGAGAAGGCTGAGAGAAGTGAGATACCTGATTTGATAAAAAGAAATATTTAGTCC CAGCAGATTGACTGTTGGGCAATTTGTTTATGTTGTCCGAAAAAAAAAAAAA
SEQ ID NO:228	Middle	LPZ-196	GGTGCGATCCCCTGTATTCTTGAAAGGGTTATAACGGAAGATAGCATTTTGCTCAG ATTGTAGACAGTCTGCATGATTGTCAATACTACTATTTTCGCATTATTTGTTAATACT ACTAATCCTTGACTCATCTAGACTATTTAATTATTAAATTCTACAGTTTCTTTCTCCT AGATGGCAAACAATATGAATAAAATGCCAATAGTTTTGGAAGTACTCCATTAAGAGC TTTAGATGATTATCATTCATTTGCCTGTTTTGAATCGTAAATGAATGTGTCACGG TCTTCTTTTCTGTTAGTCTCTATGCTTTTCATCAGAAGAGTCTAAGCCAGTTACTGGA AGCTATTTGTCTCTCTTTAAACATTGTTTCCGTGCCAAAAAAAAAAAAAAAAAAAA AA
SEQ ID NO:229	Late	LPZ-197	GGCAGAACTTCCAAAGTCTAGTATTTGATTAACATAATATGATGAAGACACTCAGTCT ATAACATGACGCCAGAAATCAGACCATATGCATGATAACTAGCACGATTAATAATACA ATTCGCAACCTTTAATACACTAAAAACGTTTACTGTATAGTCCACTCAGAACATTTTC GATAGTATTGTGAGATCGACTATTTAGCTCATATTCAGCAATCTGAAGTGTACGAT GCGGCTCATTCAAGGGCATTGGGTTTGGCCTTGGCATTCTTCATATCCCGATAGC AAGGACACGCGTTCTTGTGGCCATATGTCCTGGGGGATCGCACC
SEQ ID NO:230	Early	LPZ-198	GGTGCGATCCACATTGGCCAGGCCGGTATTGAGGTCGGCAATGCCTGTTGGGAGC TTTACTGTCTCGAGCACGACATTCAGCCTGATGGACAAATGCCAAGTGACAAGACC GTTGGCGGTGGAGATGATGCATTCAACACATTTTTCAGTGAGACAGGTGCCGGTAA GCATGTTCTCGT181GCCGTGTTTCTGGATCTGGAGCCAACTGTCATTGATGAAGT TCGAACCGGCACATATCGGCAGCTTTTTCACCCAGAGCAGCTGATCAGTGGCAAA GAAGATGCCGCCAACAACTTTGCTCGTGGCCATTATACCATTGGTAAGGAAATTGT GGATCTGTGCTTGGATCGCACC
SEQ ID NO:231	Late	LPZ-199	GGTGCGATCCCAGCATTGGATGCATTTCTAGCACAAAGCCATCTTGACTAAAATAG CACTGCGGGCAACTGCAGTCCATAACTTTTCAGAGCATTGTTGCTGCCTCAATTGTA TACCAATCCATATTCTAAAAATTAGACCTGGAAACCAAGTCAGAAATTTAATGTTTCT TGAGAAAATGCCCTTTTAGAAAAAGGAGAGAATAACTGCATTCAAGTTCTAACTCC CAGACATAGCCTGGCAACGTCATTATTAGTTTCGGATCGCACC
SEQ ID NO:232	E,L	LPZ-201	GGTGCGATCCAGAAAACAGCACAAAGCAATCTGTAAGACCAATATTATTATCATCTCT CACTGCTCGTGAACAAAATGCTGGTTCATAGCCATCACGAAGGCTAAGGCTACTAT CCAGCCAACTGATCTCCAACAATAATTTATAAGCTTAAATAAATAGTCCATCCAG TGGATGGAGCCAGAAAGCCATAGAACTTCAAATACTTGTGGTATCAATCTCTCCTC TGTTAAGGGAGGTATCAGATCAGAAGCACTAATCAAATGCATACATAAATGCAGTA GACTGCAATAAAACAAAATCTGCAGATAGCAACTGAGCGCTTAACGAACGGAAGG AGTTAACTTGATCTATCACAGGATCGCACC
SEQ ID NO:233	Late	LPZ-202	GAAAATGGGAGCCTCAAATATTCAAAGCCTCATCTCAAGAGTCTCAGATTTCGGATT CATTTTCATTTGGTTCGTAATAAAATAATGCATCAAATAGTTATTATCCACAAAATGG GAGAATTATTACAATCTGTCTTCTCAACATAAAGTCATAGCATAGCATAGAACCACA CCACAGTCGTCATCATTTGTTTTGTTACCACCGAAGGGGCTCTTACAGCGTCCA TGAAGCCCTGTGTAGCACCTTCGCCTTGTCCCCCGCCTGTTGGAAGAAAGAGCC AGTTTGTCTTTCCTCTTGGGCTTTTCCCGTGATGGATCGCACC

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:234	Late	LPZ-203	GGTGCGATCCTATTATAGAACCATGACTCTTGTGCGATGGGGCATAAACTTCTCATTC TTAGGCGTGCCTACTGTGACTCTTGCCGATGTGGCATAAACTGCTTATTCTTAGTT GTGCCCTCTGTGCAGAACTTGTGAGTCGGTGGATTACACTGAC
SEQ ID NO:235	Late	LPZ-204	GGTGCGATCCATTAAGTAGATTAACGATAACATTCCCTCTGCATCCAATCCAATGCTC ATCTAAATCTACTTCTACTTAGATCTCTGCCTCATCTTTCTCCACCTCCTCATCCATT CTGAAATATTAATTTCTGCATAGATTTTGTAGGGTCTAGTAATCATTTTCATGAATT TAAATCTGTTCTAGTCTCTTATTATTATGCTGCTTATGCTAGCATCAGAACCTGTGTA TAATTCATTCATGTATATTTGGATTACACAAATTATACGGATGCCAGAAAAA AA
SEQ ID NO:236	Late	LPZ-205	CTTGAAGCTGATATGTTTGAACCCGAAATTTTGTACCCACTCCAGTGACATTGT GTCACGTGCAAGAGAACATGAGAGCTGCATGCAAGCTTTTGCATGATAGATAGAT TACTGATCACCGAACATTTCTTACTCTACTTTCTCTCTATCCCCAGTGATTTTG GGCATTTTCTATACCCCTTCGGATCGCACC
SEQ ID NO:237	Late	LPZ-206	CTCATGAACAGCAATATGATGCATTCTCTTATACACATTTTCATATATGTTCAACCTT GCCGTCATGGCTACTCTAAGAAGAGCAAAACAGACCCATTGAATCTTTACACGCGC TTGTTTATATGAATACAAATAATTTAGGCGTTTCTTTACACGCCCTTGTTTACATTAA TACAAGTGATTTAGGCGTTGTACCAGAATAGTGCCACGGATCGCACC
SEQ ID NO:238	All	LPZ-207	GGTGCGATCCCAAGATAGAAAAGGGAAGTATGGTCTCGAGGAGTGTCAGGTGCTA CAGATCACAAATATACATAAGGGTCTGATAGTAGTACTCGGCCCAATGTTTGAGGGC TCTAACTAAGGAGGATCAACCGTACCCTTAGCCGTAAACCCGACTACCCTATCGT ACGGGCGAGTAATCTCTCTGAGTGTTGTTCTCGGTGTATCGTAGCAGCAACACGG CTGACGGTTTATCTATGGTGAGGTTTCAAAGGAGCTAGGGGGCTTCCAATATACCC AGAGGGTACTTGGAAGACAGTTTATACGCGGTTCTGTCTAATGCGCTACTACTCGA AGGGGTACCCACAGGGGTTACAAGAGAGTGCAACAAGCATGACCACCCCTTGAT TTCTTGATGTATGCCTCCCCAAATCCGAGGTTTATGCGCTCATTGACAGATTCC GTGGTTTAAAGATGCCGGAACATGTCTCTAGCCAAAAA AA
SEQ ID NO:239	E,L	LPZ-208	GGTGCGATCCTCCTAACCTGCAATGTCCTTCTGCAACCTGCAATTATTCAACAGA AATTAGGTTTATTTTTCTTTTTGTCTTTCTCTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTAAAGTAAACGACCATTTCAAACGCCATTTCAAATGCTATGAATTAATGTT GAATTAATGTTAGCATTAAAGTCTTAAACATTTTATGTTAAGGCATATATATCGTTCCA ACTACTCTTACAATACACCTGCGGTGTACTCTGCCACCGCATGTACCACCGTTAC ATGTACGCCTGCCAGCACATCTAACAGGTGCCAACTCCTTTGAACATCATCGTCGCC ATTTTTGTATGCATATTTGAACATCATCGTCGCCATTTTGGTATCTTCACATATGGCC AGTCCAGGATCGCACC
SEQ ID NO:240	Late	LPZ-210	GGTGCGATCCAAGGAGTGGGCGTGCAATGCGTCGAAGATAGCCACCACTGCAGG GGCGTGGCATGCTGCCGTGCTTCCACAGGGAGATCAACACCTGCACCTCCGCTT CCTTCCGCGGTTACCACGAG
SEQ ID NO:241	Middle	LPZ-211	GGTGCGATCCAGCCACAGAAAGATTGGTTTACTCGATAATTGAACGGTAGACTTTG TGCAGGTTTAGATTGTGTACATGCTGATCAGTATTGTCTACACCATTTTCAATCTTG TTTAGTTCTATGGTAATTTATGTAACAAATTCAGCGATGTTGGGGAAATTGGTCACA TCAGCTTTGTGCCTATATATTTCAAGTAAATCAGGGGATCCATTAATACTGCTTTTAA AATAATTGGGGCAAAGTTGTGGGATGACTGCTTCAGCGGAATACGTGCTTTTCATA GTGCTGTATGACATTTTGTGAATATGAATTTCTTTGTGATACAGTTGCGCGAAAA AAAAAAA

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:242	Middle	LPZ-212	GGTGCGATCCATGCCAAGAGGGGTGACCATCATGCCAAGGACATTGAGCTCGCTC GCCGCATCCGTGGAGAGAGGGGCATAAACAGTCAGTCAGATCCAATGGTGTGTTTT CACACCACCATATGTTTTCTTTTACTAAATTTGTTAGGTCCCTTCGGTGGGTCTTTTC TTTCCCCGATTTTAGTATTTTGTGTTCTTCTGAGTTTCATCATTGCAAGTACAAGA TGCAGAATTGATGGTTATTGGGACTTGGAGACTGGTTATTGCTATGTAGAGTATTTA TATTAGACAGGTTTCACTTGAAGATATAAAATTG
SEQ ID NO:243	Late	LPZ-213	GGTGCGATCCTCATGTGTTATAACCGAAGTTTGCGGGATTGAGATGGTCAGTATCT TAAATGTCCAACTTTCGGTACGAATGGGGTGCCTTCTGAAACGTGCCACGAAAGAG GTGTTGAGATCTGTCTGAGGCATCTTTCGGGTATTTTCCACTTCCATGGTATGAG AACTTTTCGTCTTGTGTCAG
SEQ ID NO:244	Late	LPZ-214	AGGAGACACAACTTTACGAAAAAGTTCAATCTGGAGTCTTCTAAGTTTTTCAGACTC TCTAAATATGAAAAGCGCCGAGTTTCTCTATACTGGACTCGTTAAAAATTTACAGT AAAGGACCTGTTCTATTACAAACAGGAACGGACCGCTCCTCCTTAGGGATCGCACC
SEQ ID NO:245	Late	LPZ-215	GGTGCGATCCAGCAAGAGAACGAAAAAGATATGAAGAATCTATGAAATATTTGTAC ATCACTGTATTCATATGAGGGCCTTTTTTACAATGCGGTAGGGTTGTTGGAGAAT TAGAACCTGATTAATAATGTAGATGGATTCAAGCTTTTAGTGAAATGAGGCT
SEQ ID NO:246	Late	LPZ-216	CTCAACATAAAGTCATAGCATAGCACCACACCACAGTCGTCATCATTTGTTTTGTTT ACCACCGAAGGGGCTCTTTACAGCGTCCTTGAAGCCCTGTATAGCACCTTCGCTT TGTCCTCCCGCTGTTGGAAGAAAGAGCCAGTTTGTCTTCCCTCTTGGGCTTTT CCCGTGATGGATCGCACC
SEQ ID NO:247	Middle	LPZ-217	GGTGCGATCCCATGGGATAGTTGCAAAACACACAAATTTGTTGTGAAAGAAGAGAG ACACGCACAGACAACCATATGATCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTCGGGACCAATATTTTCAATACAACGCCATGTGACATTTTGTGCTTCTGT TTTTGATACATATTCACAAAACGAACTCGATGGATACGGTGATGATGCAGCT ACAGCCATTGCATTACAGATGTTATTAATAATTAATCAATTTATTATGTCATCACACCA ACCCAAACAATAGCGCTATTATGTCATTAGAATGGTTGCAGTTACAAGATCTGCAAA CAGATCAATGAATCATCATGCCCTCTATATCTTGTCAAACATCAAGATAAACCT AATTTTAGGACTGGACTTCTCTCAATCATATCACAATGGCAAACCTCAGCCTCATGTCC
SEQ ID NO:248	Late	LPZ-219	GGTGCGATCCTGGACTGGCCATATGTGAAGATAACAAAAATGGCGACGATGAGTTC AAATATGCATAGAATAAGCGTTCGTGAATTGGAACGCCATAGGAGTTGGCACCTG TTAGATGTGCTGGCAGGCGTACATGTAACGGTGGTACATGCGGTGGCAGGAGTAC ACCGCAGGTGATTGTAAGAGTAGTTGGAACGATATATATGCCTTAACATAAAATGT TTAAGACTTAATGCTAACATTAATTCAACATTAATTCATAG
SEQ ID NO:249	E.L	LPZ-220	GGTGCGATCCCATGGGATAGTTGCAAAACACACAAATTTGTTGTGAAAGAAGAGAG ACACGCACAGACAACCATATGATCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TT AACCAGGATTAAGGCTTTGGCTTCAGATACTATAGAAGATGAGTCTCAAAGTG GACAGCATACTTGCCTTCGAGCCTCATTTCACTAAAAGCTTGAATCCATCTACATT TTAATCAGGTCTAATTCTCCAAACAACCCTACCGCATTGTAAAAAAGGCCCTCAT ATGAATACAGTGATGTACAAATATTTATAGATTCTCATATCTTTTTCGTTCTCTTGC TGGATCGCACC
SEQ ID NO:250	Late	LPZ-221	GGTGCGATCCCAACCAGGTGTCCATGCAATATATGGTGAGCATCAAGTTTGAGGTG GTTGATTGAAAGTTACAAATTTGGTGACATCTGAAGTCTCATTGAGTTATGTTTTGTA TATAAAAACCATAACCAATTTTGTATATAAGATCCATAATCAATTTTGCCAA
SEQ ID NO:251	Late	LPZ-222	GTTTTCAAGAAGAGCCTGACGGTTTCTCGGCGGGATGACGGAAACAGGAAGCGG CCGGCCGGTTCCGGACCCTCCGAGGCGGAGCATAGCATTTTGCCGGAACCACC GCATGTCCTGCACCAACATCCGCGTCTGACCAGCGGAGGCACATGCACCAACC CTCCCGGTTCCATTGCACCTCGGGCAGCGCGGCCACCCGCCGGCCATCGGCTTAT CCATCATGGATCGCACC

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